



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010515
CERTIFICATION DATE: October 29, 2013
DATE RECERTIFICATION DUE: April 27, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

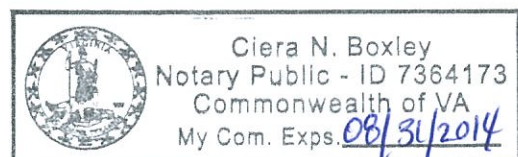
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
NHL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/1/2013**

Instrument Serial Number: 010515

As of 01-Nov-13

Maintenance Date	Certification Date	Technician Initials	Remarks
29-Oct-13	29-Oct-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
14-May-13	14-May-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
27-Nov-12	27-Nov-12	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
12-Jun-12	12-Jun-12	DBH (21250)	CERTIFIED
10-Jan-12	10-Jan-12	DBH (21250)	CERTIFIED
20-Jul-11	20-Jul-11	DBH (21250)	REPLACED KEYBOARD, REPLACED DRY GAS STANDARD, CERTIFIED
25-Jan-11	25-Jan-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
11-Aug-10	11-Aug-10	RJP (22428)	CERTIFIED.
19-Feb-10	19-Feb-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
26-Aug-09	26-Aug-09	RJP (22428)	CERTIFIED.
01-Apr-09	01-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
10-Dec-08	10-Dec-08	RJP (22428)	CERTIFIED.
12-Nov-08	12-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
PWSH

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010515 Worksheet Start Date 10/29/2013

Location Floyd CO SO

Address 100 E Main St Floyd VA 24091

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS			Operator Worksheet
			Other:

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010515

Certification Date 10/29/2013

Instrument Barometer (mm HG) 702

Reference Barometer (mm HG) 706

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.231	0.224	0.237	Sample 2	0.227
Precision		sample min	sample max	Sample 3	0.227
0.001		0.227	0.228		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.138	0.133	0.142	Sample 2	0.137
Precision		sample min	sample max	Sample 3	0.137
0		0.137	0.137		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.074	0.071	0.077	Sample 2	0.074
Precision		sample min	sample max	Sample 3	0.074
0		0.074	0.074		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.018	0.015	0.021	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

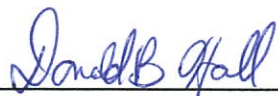
AG320502-19

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.092	0.089	0.095	Sample 2	0.092
Precision		sample min	sample max	Sample 3	0.092
0		0.092	0.092		

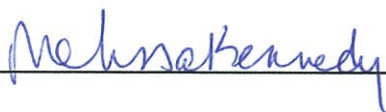
DFS Technician



Date

11/1/13

Issuing Analyst



Date

11/7/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/29/2013
TEST EQUIPMENT NUMBER 010515		

RESULTS: TIME SAMPLE TAKEN **12:58 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

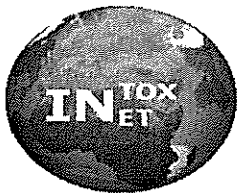
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 30 Oct 2013 at 08:24

HMS
DBH
N/A

Test Results

Instrument Serial Number 010515

Test # 000319 Subject Test

Test Location 1 Department of
Test Date 29 Oct 2013

Test Location 2 Forensic Science
Test Time 12:52
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

License Number 21250
Operator's Middle Initial B

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 29 Oct 2013 End Time 12:59

Result Time 12:58

Result Date 29 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type CHK

Sample Value 0.094

Sample Time 12:54

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Data Type SUBJ

Sample Value 0.000

Sample Time 12:56

Data Type BLK

Sample Value 0.000

Sample Time 12:57

Data Type SUBJ

Sample Value 0.000

Sample Time 12:58

Data Type BLK

Sample Value 0.000

Sample Time 12:59

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG201104-17

Standard Expiration Date 01/11/2014

Tank Pressure 389

Barometric Pressure 702 mmHg

Blow Sample Number 1 Blow Duration 3.30 sec

Blow Volume 1737 cc End-of-Blow Time 12:56

Blow Sample Number 2 Blow Duration 3.49 sec

Blow Volume 1796 cc End-of-Blow Time 12:58

Tamper Evident Stamp f9f66dc7

Test Status Code 0

Test Status Success

DBH

WJL

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010515 Test Number: 320

Test Date: 10/29/2013 Test Time: 13:02 EDT

Dry Gas Target: 0.092

Lot Number: AG201104-17 Exp Date: 01/11/2014

Tank Pressure: 389 psi Barometric Pressure: 702 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:03
CHK	0.094	13:04
BLK	0.000	13:05
CHK	0.093	13:06
BLK	0.000	13:07
CHK	0.093	13:08

Test Status: *Success*

Calibration CRC: 5112C63B

DBH

NHL

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010515 Test Number: 321

Test Date: 10/29/2013 Test Time: 13:12 EDT

Dry Gas Target: 0.277

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 188 psi Barometric Pressure: 701 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:13
CHK	0.281	13:14
BLK	0.000	13:15
CHK	0.280	13:17
BLK	0.000	13:18
CHK	0.279	13:19

Test Status: *Success*

Calibration CRC: 5112C63B

Intox EC/IR-11: Software Version

Department of Forensic Science

Serial Number: 010515

System Date: 10/29/2013

System Time: 13:44 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WHL

Intox EC/IR-11: Calibration

Department of Forensic Science

Serial Number: 010515 Test Number: 322

Test Date: 10/29/2013 Test Time: 13:47 EDT

Dry Gas Target: 0.092

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 389 psi Barometric Pressure: 701 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:48
CAL	0.092	13:48

Test Status: Success

Calibration CRC: 4B409375

DBH

Intox EC/IR-11: Certification

WHL

Department of Forensic Science

Serial Number: 010515 Test Number: 323
Test Date: 10/29/2013 Test Time: 13:52 EDT

Technician Initials: DBH

Dry Gas Target: 0.231

Lot Number: 2961225012-10 Exp Date: 11/01/2014
Tank Pressure: 183 psi Barometric Pressure: 701 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:52
BLK	0.000	13:53
CHK	0.228	13:54
BLK	0.000	13:55
CHK	0.227	13:56
BLK	0.000	13:58
CHK	0.227	13:59
BLK	0.000	14:00

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010515 Test Number: 324

Test Date: 10/29/2013 Test Time: 14:03 EDT

Technician Initials: DBH

Dry Gas Target: 0.138

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 821 psi Barometric Pressure: 701 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:03
BLK	0.000	14:04
CHK	0.137	14:05
BLK	0.000	14:06
CHK	0.137	14:07
BLK	0.000	14:09
CHK	0.137	14:10
BLK	0.000	14:11

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

WHL

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010515 Test Number: 325

Test Date: 10/29/2013 Test Time: 14:15 EDT

Technician Initials: DBH

Dry Gas Target: 0.074

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 149 psi Barometric Pressure: 701 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:15
BLK	0.000	14:16
CHK	0.074	14:17
BLK	0.000	14:18
CHK	0.074	14:19
BLK	0.000	14:20
CHK	0.074	14:21
BLK	0.000	14:22

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

WHL

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010515 Test Number: 326
Test Date: 10/29/2013 Test Time: 14:25 EDT

Technician Initials: DBH

Dry Gas Target: 0.018

Lot Number: 0771302011-02 Exp Date: 05/01/2015
Tank Pressure: 1071 psi Barometric Pressure: 701 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:26
BLK	0.000	14:26
CHK	0.018	14:27
BLK	0.000	14:28
CHK	0.018	14:29
BLK	0.000	14:30
CHK	0.018	14:31
BLK	0.000	14:33

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH

WAL

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010515 Test Number: 327

Test Date: 10/29/2013 Test Time: 14:36 EDT

Dry Gas Target: 0.277

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 183 psi Barometric Pressure: 701 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:37
CHK	0.277	14:38
BLK	0.000	14:39
CHK	0.277	14:40
BLK	0.000	14:42
CHK	0.277	14:43

Test Status: Success

Calibration CRC: 4B409375

Intox EC/1R-11: Accuracy Check

NBL

Department of Forensic Science

Serial Number: 010515 Test Number: 328

Test Date: 10/29/2013 Test Time: 14:47 EDT

Dry Gas Target: 0.092

Lot Number: AG320502-19 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 701 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:47
CHK	0.092	14:48
BLK	0.000	14:50
CHK	0.092	14:51
BLK	0.000	14:52
CHK	0.092	14:53

Test Status: Success

Calibration CRC: 4B409375




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/29/2013
TEST EQUIPMENT NUMBER 010515		

15:02 EDT

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Nov 2013 at 09:48

DBH

NBL

Test Results

Instrument Serial Number 010515

Test # 000329 Subject Test

Test Location 1 Department of
Test Date 29 Oct 2013

Test Location 2 Forensic Science
Test Time 14:55
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 29 Oct 2013 End Time 15:03

Result Time 15:02

Result Date 29 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:55

Data Type BLK

Sample Value 0.000

Sample Time 14:56

Data Type CHK

Sample Value 0.092

Sample Time 14:57

Data Type BLK

Sample Value 0.000

Sample Time 14:58

Data Type SUBJ

Sample Value 0.000

Sample Time 14:59

Data Type BLK

Sample Value 0.000

Sample Time 15:00

Data Type SUBJ

Sample Value 0.000

Sample Time 15:02

Data Type BLK

Sample Value 0.000

Sample Time 15:03

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG320502-19

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 701 mmHg

Blow Sample Number 1 Blow Duration 3.33 sec

Blow Volume 1743 cc End-of-Blow Time 14:59

Blow Sample Number 2 Blow Duration 3.46 sec

Blow Volume 1841 cc End-of-Blow Time 15:02

Tamper Evident Stamp ff4c8767

Test Status Code 0

Test Status Success